

Base from U.S. Geological Survey, 1:24,000,  
House Rock Spring Quadrangle, 1988  
Universal Transverse Mercator Projection  
1927 North American Datum  
Clark 1866 Ellipsoid, Zone 12

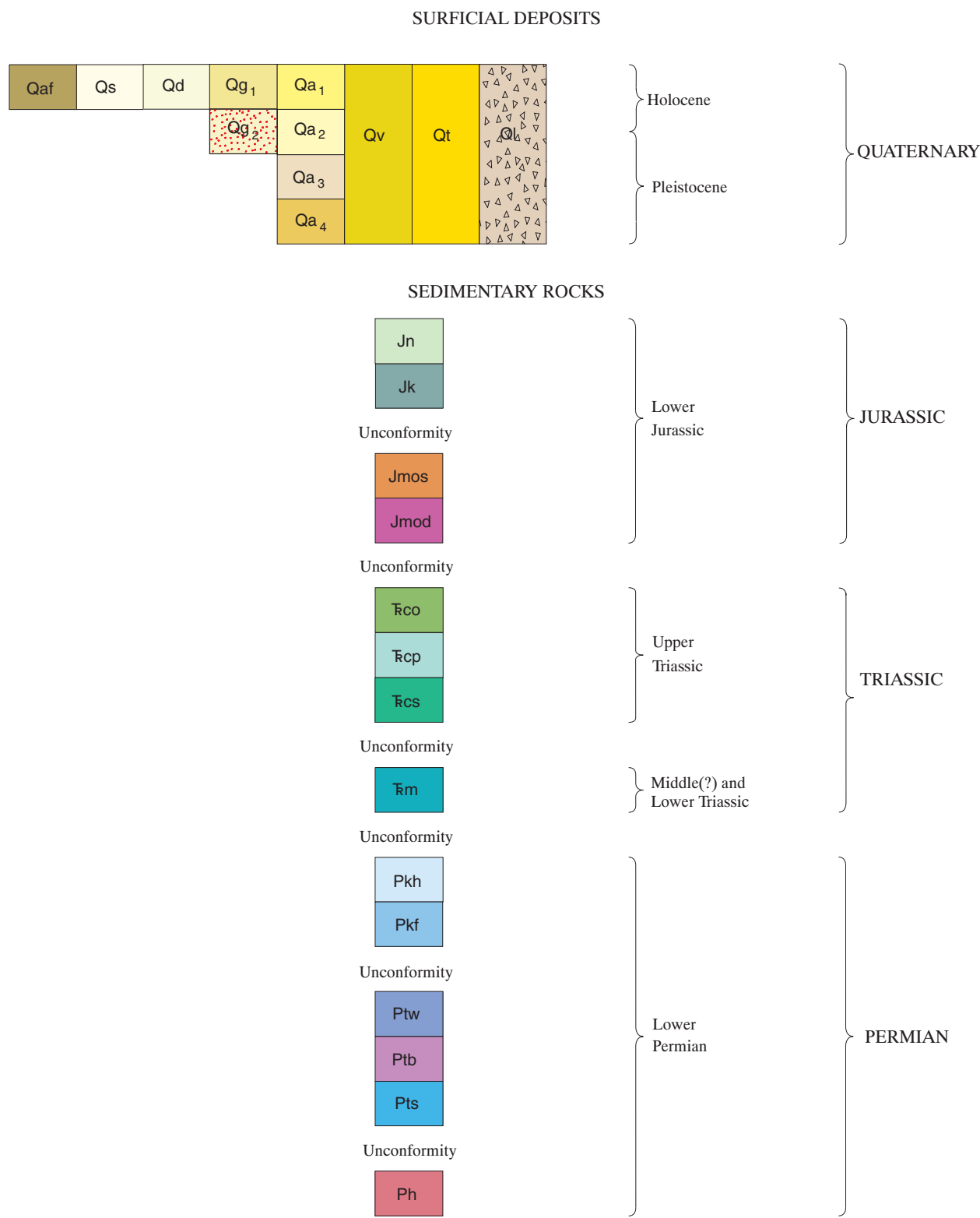
TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN  
DECLINATION, 1997

SCALE 1:24,000  
1 0.5 0 1 MILE  
1 0.5 0 1 KILOMETER  
CONTOUR INTERVAL 40 FEET  
DATUM IS MEAN SEA LEVEL

ARIZONA  
QUADRANGLE LOCATION

Geology mapped in 1999 by G.H. Billingsley  
Digital database by H.M. Hampton  
Edited by Jan L. Zigler  
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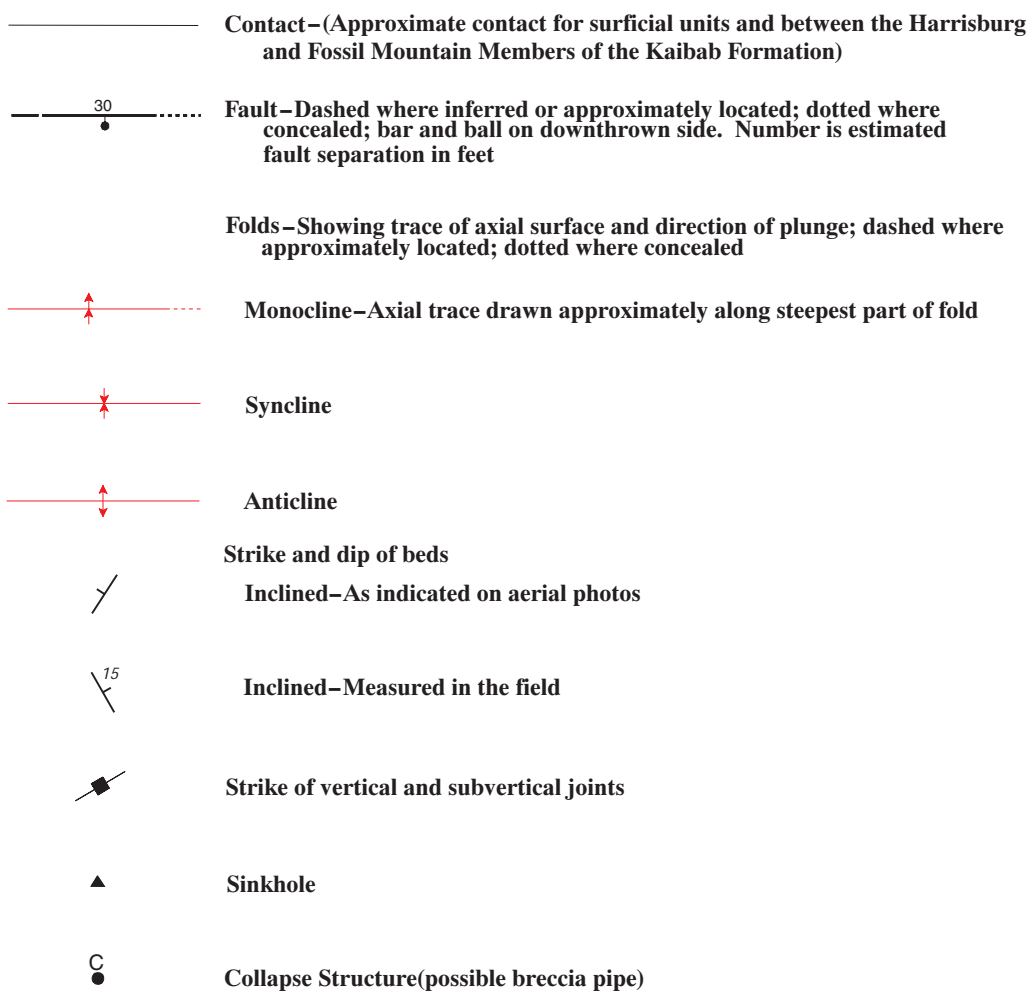
#### CORRELATION OF MAP UNITS



#### LIST OF MAP UNITS

SURFICIAL DEPOSITS		SEDIMENTARY ROCKS	
Surficial deposits (Holocene and Pleistocene)		Glen Canyon Group (Lower Jurassic)	
Qaf	Artificial fill and quarries (Holocene)	Jn	Navajo Sandstone (Lower Jurassic)
Qs	Stream-channel alluvium (Holocene)	Jk	Kayenta Formation (Lower Jurassic)
Qd	Sand-sheet and dune deposits (Holocene)	Jmos	Moenave Formation (Lower Jurassic)
Qg <sub>1</sub>	Young terrace-gravel deposits (Holocene)	Jmod	Springdale Sandstone Member
Qa <sub>1</sub>	Young alluvial fan deposits (Holocene)		Dinosaur Canyon Member
Qv	Valley-fill deposits (Holocene and Pleistocene)		Chinle Formation (Upper Triassic)
Qt	Talus deposits (Holocene and Pleistocene)	Tco	Owl Rock Member
	Landslide deposits (Holocene and Pleistocene)	Tcp	Petrified Forest Member
Qg <sub>2</sub>	Old terrace-gravel deposits (Holocene and Pleistocene)	Tcs	Shinarump Member
Qa <sub>2</sub>	Young intermediate alluvial fan deposits (Holocene and Pleistocene)	Tm	Moenkopi Formation, undivided (Middle? and Lower Triassic)
Qa <sub>3</sub>	Old intermediate alluvial fan deposits (Pleistocene)		Kaibab Formation (Lower Permian)
Qa <sub>4</sub>	Old alluvial fan deposits (Pleistocene)	Pkh	Harrisburg Member
		Pkf	Fossil Mountain Member
		Ptw	Toroweap Formation (Lower Permian)
		Ptb	Woods Ranch Member
		Pts	Brady Canyon Member
		Ph	Seligman Member
			Hermit Formation (Lower Permian)

#### EXPLANATION



## GEOLOGIC MAP OF THE HOUSE ROCK SPRING QUADRANGLE, COCONINO COUNTY, NORTHERN ARIZONA

By  
George H. Billingsley and Haydee M. Hampton

2001

This map was printed on an electronic plotter directly from digital files. Dimensional calibration may vary between electronic plotters and between X and Y directions on the same plotter, and paper may change size due to atmospheric conditions; therefore, scale and proportions may not be true on plots of this map.  
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